

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): A motion image decoding apparatus for decoding compressed
2 image data obtained through timebase predictive coding effected to compress a motion image,
3 comprising:

4 an image reproduction portion receiving said compressed image data to generate reproduced
5 image data;

6 an orthogonal transform and compression portion receiving an output from said image
7 reproduction portion to effect orthogonal transform for each predetermined data transform block for
8 data compression, said orthogonal transform and compression portion switching for each said
9 predetermined data transform block a rounding system applied after said orthogonal transform, said
10 switching of the rounding system corresponding to alternating between a first rounding operation
11 biased to increase a numeral value in absolute value and a second rounding operation biased to
12 decrease the numeral value in absolute value; and

13 a storage receiving an output from said orthogonal transform and compression portion for
14 storing therein reference image data for said predictive coding.

1 Claim 2 (original): The apparatus according to claim 1, wherein said orthogonal transform
2 and compression portion effects Hadamard transform as said orthogonal transform.

1 Claim 3 (original): The apparatus according to claim 1, wherein said orthogonal transform
2 and compression portion switches for each said predetermined data transform block a level of a
3 threshold value for a rounding operation effected after said orthogonal transform.

1 Claim 4 (original): The apparatus according to claim 3, wherein said orthogonal transform
2 and compression portion effects Hadamard transform as said orthogonal transform.

1 Claim 5 (original): The apparatus according to claim 1, wherein:
2 said compressed image data includes a luminance signal and a color difference signal; and
3 for said luminance signal said orthogonal transform and compression portion switches for
4 each said predetermined data transform block said rounding system applied after said orthogonal
5 transform, and for said color difference signal for a DC component said orthogonal transform and
6 compression portion switches for each said predetermined data transform block said rounding system
7 applied after said orthogonal transform and for an AC component effects truncation for any said
8 predetermined data transform block.

1 Claim 6 (original): The apparatus according to claim 5, wherein said orthogonal compression
2 and transform portion effects Hadamard transform as said orthogonal transform.

1 Claim 7 (currently amended): A method of decoding a motion image, comprising the steps
2 of:

3 generating first reproduced image data based on source image data reproduced from a signal
4 of compressed image data obtained through timebase predictive coding in compression of a motion
5 image, or generating said first reproduced image data based on the reproduced source image data and
6 reference image data;

7 switching a rounding system after orthogonal transform for each predetermined data
8 transform block of said first reproduced image data, effecting orthogonal transform coding, and
9 generating second reproduced image data having an amount of data smaller bitwise than said first
10 reproduced image data, said switching of the rounding system corresponding to alternating between
11 a first rounding operation biased to increase a numeral value in absolute value and a second rounding
12 operation biased to decrease the numeral value in absolute value;

13 storing to a reference image memory said second reproduced image data required to generate
14 said reference image data; and

15 generating from said second reproduced image data stored in said reference image memory
16 said reference image data corresponding to said first reproduced image data.

1 Claim 8 (original): The method according to claim 7, wherein in the step of switching,
2 Hadamard transform is effected as said orthogonal transform.

1 Claim 9 (original): The method according to claim 7, wherein in the step of switching, for
2 each said predetermined data transform block after said orthogonal transform said rounding has a
3 threshold value switched in level.

1 Claim 10 (original): The method according to claim 9, wherein in the step of switching,
2 Hadamard transform is effected as said orthogonal transform.

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